

Converting Colors

$Y_{xy}(22.7473, 0.4901, 0.3153)$

Have a look what the booklet for
Yxy(22.7473, 0.4901, 0.3153)
contains.

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Color

Yxy(22.7510, 0.4891, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	DD5562
RGB	221, 85, 98
RGB Percent	87%, 33%, 38%
CMY	0.1334, 0.6666, 0.6156
CMYK	0.00, 0.62, 0.56, 0.13
HSL	354°, 67%, 60%
HSV	354°, 62%, 87%
XYZ	35.2695, 22.7510, 14.0905
YIQ	127.1460, 76.8830, 32.8750

Conversions

Conversions Part 2

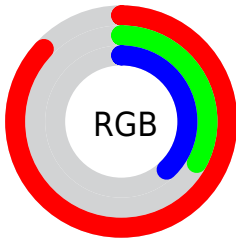
Format	Color
RYB	221, 85, 98
Decimal	14505314
CIELab	54.81, 54.06, 20.93
CIELCh	55, 57.974, 21.166
Yxy	22.7510, 0.4891, 0.3155
Android (android.graphics.Color)	4292695394 (0xFFDD5562)
YUV	127.1460, -14.3690, 82.3100
Hunter-Lab	47.6980, 48.5172, 15.8737

Details

The Yxy color **22.7510, 0.4891, 0.3155** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **58.1920, 0.2441, 0.3465**, and the grayscale version is **21.3095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1861, 0.4250, 0.3200**, and **8.3748, 0.5541, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **19.4668, 0.5346, 0.3157**, and if you desaturate by 10%, it is **27.2182, 0.4463, 0.3167**.

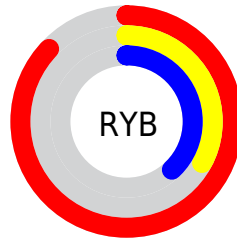
Distribution



Red (87%)

Green (33%)

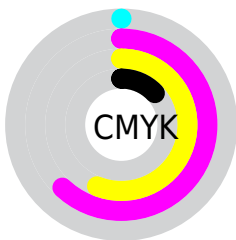
Blue (38%)



Red (87%)

Yellow (33%)

Blue (38%)

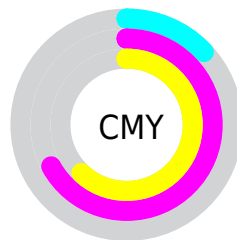


Cyan (0%)

Magenta (62%)

Yellow (56%)

Black (13%)



Cyan (13%)


Magenta (67%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7510, 0.4891, 0.3155 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 22.7510, 0.4891, 0.3155 by changing the saturation by 10% instead.


 22.7510, 0.4891,
0.3155


 22.7510, 0.4891,
0.3155


266.4435, 0.3902,
0.3278


 14.4098, 0.5170,
0.3099


 47.9841, 0.4507,
0.3216

 8.4062, 0.5545,
0.3010


 65.6448, 0.4370,
0.3234

 4.3560, 0.6065,
0.2856

 87.1808, 0.4257,
0.3247

 1.8746, 0.6932,
0.2618

 112.9764, 0.4163,
0.3257

 0.5330, 0.8092,
0.1908

143.4161, 0.4083,
0.3264

 0.0000, 1.0000,
0.0000

178.8843, 0.4014,

 0.0000, 0.0000,

0.3270

0.0000

219.7653, 0.3955,
0.3274

■ 22.7510, 0.4891,
0.3155

■ 22.7510, 0.4891,
0.3155

■ 19.4668, 0.5346,
0.3157

■ 27.2182, 0.4463,
0.3167

■ 17.2496, 0.5776,
0.3177

■ 32.9624, 0.4088,
0.3187

■ 15.9668, 0.6118,
0.3214

■ 40.0728, 0.3775,
0.3212

■ 15.4247, 0.6307,
0.3248

■ 48.6292, 0.3520,
0.3238

■ 58.7054, 0.3314,
0.3263

70.3703, 0.3149,
0.3287

83.6884, 0.3017,
0.3308

94.1101, 0.2923,
0.3289

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.7510, 0.4044, 0.2540



22.7510, 0.4891, 0.3155



22.7510, 0.5115, 0.3839

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.7510, 0.4891, 0.3155



22.7510, 0.2992, 0.5089



22.7510, 0.1634, 0.1879

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.7510, 0.4891, 0.3155



58.1920, 0.2441, 0.3465

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.7510, 0.1460, 0.2248



22.7510, 0.4891, 0.3155



22.7510, 0.2143, 0.4207

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.7510, 0.4891, 0.3155



22.7510, 0.3926, 0.5111



22.7510, 0.1615, 0.3049



22.7510, 0.2136, 0.1842

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.7510, 0.4891, 0.3155



22.7510, 0.4902, 0.4314



22.7510, 0.1615, 0.3049



22.7510, 0.1541, 0.1960

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.7523, 0.4891, 0.3155



71.7388, 0.3445, 0.3246



25.0415, 0.3049, 0.1812



14.5216, 0.3510, 0.3239



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.7523, 0.4891, 0.3155



25.8369, 0.5483, 0.3161



34.6095, 0.4605, 0.3911



13.0716, 0.3277, 0.3268



8.9690, 0.6285, 0.3236



0.5881, 0.5991, 0.3074

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.7523, 0.4891, 0.3155



25.8369, 0.5483, 0.3161



34.6431, 0.2203, 0.2498



13.0716, 0.3277, 0.3268



8.9690, 0.6285, 0.3236



0.5881, 0.5991, 0.3074

Previews

White Background



This preview shows how the Yxy color 22.7510, 0.4891, 0.3155 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 22.7510, 0.4891, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.7510, 0.4891, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 22.7510, 0.4891, 0.3155.



This preview shows how white text looks on a background with the Yxy color 22.7510, 0.4891, 0.3155.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.7510, 0.4891, 0.3155

Protanopia

22.9070, 0.3318, 0.3483

Deuteranopia

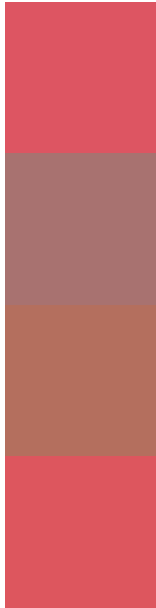
22.8625, 0.3917, 0.3844



Tritanopia

22.8004, 0.4972, 0.3232

Trichromacy



Original Color

22.7510, 0.4891, 0.3155

Protanomaly

21.5293, 0.3873, 0.3323

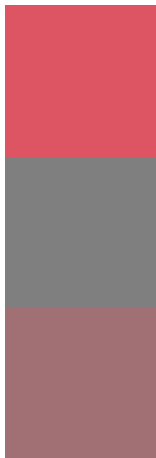
Deuteranomaly

21.8803, 0.4291, 0.3539

Tritanomaly

22.8359, 0.4943, 0.3210

Monochromacy



Original Color

22.7510, 0.4891, 0.3155

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.4264, 0.3736, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7510, 0.4891, 0.3155 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 85, 98)` looks like.

```
.text, #text, p{  
    color:rgb(221, 85, 98)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 85, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 85, 98) }
```

Border

The CSS property to change the border of an element to Yxy 22.7510, 0.4891, 0.3155 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 85, 98) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(221, 85, 98) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(221, 85, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 85, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 85, 98);  
box-shadow:4px 4px 4px 4px rgb(221, 85,  
98) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.7510, 0.4891, 0.3155$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 85, 98) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221, 85,  
98) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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